

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3: (Canceled)

1 4. (Currently Amended): The data authentication system of ~~claim 2~~ claim 8
2 wherein the indication is an offset value for a pseudorandom sequence known to
3 a sender and an intended recipient.

1 5. (Original): The data authentication system of claim 4 wherein the
2 pseudorandom sequence is generated using a seed value known by the sender
3 and the intended recipient.

1 6. (Currently Amended): The data authentication system of ~~claim 4~~ claim 8
2 wherein the integrity check processor uses information in the one or more data
3 packets as one or more offset values for a pseudorandom sequence known to a
4 sender and an intended recipient.

1 7. (Original): The data authentication system of claim 6 wherein the
2 pseudorandom sequence is generated using a seed value known by the sender
3 and the intended recipient.

1 8. (Currently Amended): ~~The data authentication processor of claim 2~~ A data
2 authentication system comprising:

3 A. an integrity check processor that
4 i. selects one or more integrity functions from a set of
5 functions, and

6 ii. manipulates m selected data bytes from each of one or more
7 data packets in accordance with the selected integrity check
8 functions to produce one or more integrity checks that
9 correspond to the one or more data packets; and
10 B. an integrity block processor that so encrypts the one or more
11 integrity checks produced by the integrity check processor as to permit
12 their decryption only with a non-public key and produces an integrity block
13 that is used to authenticate the data packets;
14 wherein the integrity check processor includes in the integrity check
15 an indication of which integrity function to select; and
16 wherein the integrity check processor selects more than one
17 integrity function for a given data packet and includes in the integrity check
18 information that identifies a list of the selected functions and a
19 corresponding list of the results of the manipulations.

1 9. (Currently Amended): The data authentication system of ~~claim 1~~ claim 8
2 wherein the integrity block processor encrypts the integrity checks in accordance
3 with a secret key that is shared by intended recipients of the data packets.

1 10. (Currently Amended): ~~The data authentication system of claim 1~~ A data
2 authentication system comprising:
3 A. an integrity check processor that
4 i. selects one or more integrity functions from a set of
5 functions, and
6 ii. manipulates m selected data bytes from each of one or more
7 data packets in accordance with the selected integrity check
8 functions to produce one or more integrity checks that
9 correspond to the one or more data packets; and
10 B. an integrity block processor that so encrypts the one or more
11 integrity checks produced by the integrity check processor as to permit

12 their decryption only with a non-public key and produces an integrity block
13 that is used to authenticate the data packets.

14 wherein the integrity check processor selects the m data
15 bytes at random from a first data packet, and for any remaining
16 data packets selects data bytes that are offset from the data bytes
17 selected from the first data packet.

1 11. (Currently Amended): ~~The data authentication system of claim 1~~ A data
2 authentication system comprising:

3 A. an integrity check processor that
4 i. selects one or more integrity functions from a set of
5 functions, and
6 ii. manipulates m selected data bytes from each of one or more
7 data packets in accordance with the selected integrity check
8 functions to produce one or more integrity checks that
9 correspond to the one or more data packets; and

10 B. an integrity block processor that so encrypts the one or more
11 integrity checks produced by the integrity check processor as to permit
12 their decryption only with a non-public key and produces an integrity block
13 that is used to authenticate the data packets.

14 wherein the integrity block processor encrypts into the
15 integrity block information that identifies the data bytes selected
16 from each of the data packets.

1 12. (Original): The data authentication system of claim 11 wherein the
2 information includes data byte interval and offset values.

1 13. (Currently Amended): The data authentication system of ~~claim 1~~ claim 8
2 wherein the integrity check processor includes in the integrity checks one or
3 more sequence numbers that are associated with the data packets.

1 14. (Currently Amended): ~~The data authentication system of claim 1~~ A data
2 authentication system comprising:
3 A. an integrity check processor that
4 i. selects one or more integrity functions from a set of
5 functions, and
6 ii. manipulates m selected data bytes from each of one or more
7 data packets in accordance with the selected integrity check
8 functions to produce one or more integrity checks that
9 correspond to the one or more data packets; and
10 B. an integrity block processor that so encrypts the one or more
11 integrity checks produced by the integrity check processor as to permit
12 their decryption only with a non-public key and produces an integrity block
13 that is used to authenticate the data packets.
14 wherein the integrity block processor assembles the plurality
15 of integrity checks in an order that differs from the order of the data
16 packets and encrypts into the integrity block information that
17 associates the integrity checks with the appropriate data packets.

1 15. (Original): The data authentication system of claim 14 wherein the integrity
2 block processor encrypts into the integrity block a list of sequence numbers that
3 corresponds to the order of the integrity checks within the integrity block.

1 16. (Currently Amended): The data authentication system of ~~claim 1~~ claim 10
2 wherein the integrity check processor produces digital signatures for one or more
3 of the data packets and includes the digital signatures in the respective data
4 packets.

1 17. (Currently Amended): The data authentication system of ~~claim 1~~ claim 10
2 wherein the integrity block processor produces a digital signature for the integrity
3 block and includes the digital signature in the integrity block.

1 18. (Currently Amended): The data authentication system of ~~claim 1~~ claim 10
2 wherein the selected integrity check function concatenates the selected data
3 bytes from a given data packet to produce the associated integrity check.

1 19. (Currently Amended): The data authentication system of ~~claim 1~~ claim 10
2 further including a chaff processor for producing for transmission extraneous
3 packets that are associated with and do not pass one or more of the integrity
4 checks, the chaff processor including the extraneous packets in a transmission
5 that includes the data packets.

1 20. (Currently Amended): The data authentication system of ~~claim 1~~ claim 10
2 wherein the integrity block processor encrypts into the integrity block executable
3 code that performs the selected integrity check function.

1 21. (Original): The data authentication system of claim 20 wherein the integrity
2 block processor signs the executable code with a digital signature.

Claims 22 and 23: (Canceled)

1 24. (Currently Amended): ~~The communications network of claim 22~~ A
2 communications network comprising:
3 A. one or more sending stations for sending data packets;
4 B. one or more recipient stations for receiving the data packets sent
5 by the sending stations; and
6 C. an authentication system that includes
7 i. an integrity block processor for:
8 a. selecting one or more integrity functions from a set of
9 integrity functions,
10 b. manipulating one or more selected data bytes from a
11 given data packet in accordance with the one or more

12 selected integrity check functions to produce the
13 corresponding integrity check, and
14 c. so encrypting the one or more integrity checks that
15 are associated with one or more data packets as to
16 permit their decryption only with a non-public key,
17 producing therefrom an integrity block, and including
18 the integrity block in a transmission to the recipient
19 stations, and
20 ii. authentication means for decrypting a received integrity block to
21 reproduce the one or more integrity checks and using information
22 contained in the reproduced integrity checks to select one or more
23 integrity check functions and one or more data bytes to use to determine if
24 data in the associated one or more data packets have been altered,
25 wherein the authentication means uses information in the integrity check
26 or in the associated data packet as an offset value into a pseudo random
27 sequence known to the sender and an intended recipient and uses the
28 next n bits of the sequence to identify the selected integrity check.

1 25. (Currently Amended): The communications network of ~~claim 22~~ claim 24
2 wherein the authentication means uses the one or more integrity checks, the
3 integrity check functions identified therein and the selected data bytes from the
4 one or more data packets to determine if the data packets have been altered.

1 26. (Currently Amended): The communications network of ~~claim 22~~ claim 24
2 wherein the integrity block processor is included in each of the one or more
3 sending stations and the authentication means is included in each of the one or
4 more recipient stations.

1 27. (Currently Amended): The communications network of ~~claim 22~~ claim 24
2 wherein the integrity block processor encrypts the integrity checks and the
3 authentication means decrypts the integrity blocks in accordance with one or

4 more secret keys that are shared by the sending stations and the intended
5 recipient stations.

1 28. (Currently Amended): ~~The communications network of claim 22~~ A
2 communications network comprising:

3 A. one or more sending stations for sending data packets;

4 B. one or more recipient stations for receiving the data packets sent
5 by the sending stations; and

6 C. an authentication system that includes

7 i. an integrity block processor for:

8 a. selecting one or more integrity functions from a set of
9 integrity functions,

10 b. manipulating one or more selected data bytes from a
11 given data packet in accordance with the one or more
12 selected integrity check functions to produce the
13 corresponding integrity check, and

14 c. so encrypting the one or more integrity checks that
15 are associated with one or more data packets as to
16 permit their decryption only with a non-public key,
17 producing therefrom an integrity block, and including
18 the integrity block in a transmission to the recipient
19 stations, and

20 ii. authentication means for decrypting a received integrity block to
21 reproduce the one or more integrity checks and using information
22 contained in the reproduced integrity checks to select one or more
23 integrity check functions and one or more data bytes to use to determine if
24 data in the associated one or more data packets have been altered,
25 wherein the integrity block processor selects one or more data bytes at
26 random from a first data packet and selects from the remaining data
27 packets data bytes that are offset from the data bytes selected from the

28 first data packet based on the information contained in the associated
29 integrity checks.

1 29. (Currently Amended): The communications network of ~~claim 22~~ claim 24
2 wherein the integrity block processor encrypts into an integrity block the
3 information that identifies the integrity check function.

1 30. (Currently Amended): ~~The communications network of claim 22~~ A
2 communications network comprising:

- 3 A. one or more sending stations for sending data packets;
- 4 B. one or more recipient stations for receiving the data packets sent
5 by the sending stations; and
- 6 C. an authentication system that includes
 - 7 i. an integrity block processor for:
 - 8 a. selecting one or more integrity functions from a set of
9 integrity functions,
 - 10 b. manipulating one or more selected data bytes from a
11 given data packet in accordance with the one or more
12 selected integrity check functions to produce the
13 corresponding integrity check, and
 - 14 c. so encrypting the one or more integrity checks that
15 are associated with one or more data packets as to
16 permit their decryption only with a non-public key,
17 producing therefrom an integrity block, and including
18 the integrity block in a transmission to the recipient
19 stations, and
 - 20 ii. authentication means for decrypting a received integrity block to
21 reproduce the one or more integrity checks and using information
22 contained in the reproduced integrity checks to select one or more
23 integrity check functions and one or more data bytes to use to determine if
24 data in the associated one or more data packets have been altered,

25 wherein the integrity block processor encrypts into an integrity block the
26 information that identifies the data bytes selected for each of the one or
27 more data packets by the integrity block processor.

1 31. (Original): The communications network of claim 30 wherein the information
2 includes data byte interval and offset values.

1 32. (Currently Amended): The communications network of ~~claim 22~~ claim 24
2 wherein the integrity block processor further includes in the integrity block
3 sequence numbers that correspond to the associated data packets.

1 33. (Currently Amended): ~~The communications network of claim 22~~ A
2 communications network comprising:

- 3 A. one or more sending stations for sending data packets;
- 4 B. one or more recipient stations for receiving the data packets sent
5 by the sending stations; and
- 6 C. an authentication system that includes
 - 7 i. an integrity block processor for:
 - 8 a. selecting one or more integrity functions from a set of
9 integrity functions,
 - 10 b. manipulating one or more selected data bytes from a
11 given data packet in accordance with the one or more
12 selected integrity check functions to produce the
13 corresponding integrity check, and
 - 14 c. so encrypting the one or more integrity checks that
15 are associated with one or more data packets as to
16 permit their decryption only with a non-public key,
17 producing therefrom an integrity block, and including
18 the integrity block in a transmission to the recipient
19 stations, and

20 ii. authentication means for decrypting a received integrity
21 block to reproduce the one or more integrity checks and using information
22 contained in the reproduced integrity checks to select one or more
23 integrity check functions and one or more data bytes to use to determine if
24 data in the associated one or more data packets have been altered,
25 wherein the authentication means assembles the integrity checks in an
26 order that differs from the order of the associated data packets and
27 encrypts into the integrity block information that associates the integrity
28 checks with the appropriate data packets.

1 34. (Original): The communications network of claim 33 wherein the
2 authentication means further encrypts into the integrity block a list of data packet
3 sequence numbers that corresponds to the order of the integrity checks within
4 the integrity block.

1 35. (Currently Amended): The communications system of ~~claim 22~~ claim 24
2 wherein the authentication means further produces a digital signature for each
3 data packet and includes the digital signature in the data packet.

1 36. (Currently Amended): The communications system of ~~claim 22~~ claim 24
2 wherein the authentication means concatenates selected data bytes from a given
3 data packet to produce the associated integrity check.

1 37. (Currently Amended): The communications system of ~~claim 22~~ claim 24
2 wherein the authentication means encodes selected bytes from a given data
3 packet to produce the associated integrity check.

1 38. (Currently Amended): The communications system of ~~claim 22~~ claim 24
2 further including a chaff processor that produces for transmission one or more
3 extraneous packets that are associated with and do not pass one or more of the

4 integrity checks, the chaff processor including the extraneous packets in a
5 transmission with the associated data packets.

1 39. (Currently Amended): The communications system of ~~claim 22~~ claim 24
2 wherein the integrity block processor further includes in the integrity block
3 executable code that performs an integrity check process.

1 40. (Original): The communications system of claim 39 wherein the integrity
2 block processor includes in an integrity block a digital signature that corresponds
3 to the executable code.

Claims 41-43 (Canceled):

1 44. (Currently Amended): The method of ~~claim 41~~ claim 45 wherein the step of
2 selecting the integrity functions includes providing associated identifiers as part
3 of the integrity check.

1 45. (Currently Amended): ~~The method of claim 41~~ A method of authenticating
2 data that is sent in data packets, the method including the steps of:

3 A. selecting one or more integrity functions from a set of integrity
4 functions;

5 B. manipulating selected data bytes from a first data packet in
6 accordance with one or more of the selected integrity functions to
7 produce an integrity check;

8 C. so encrypting the integrity check as to produce an integrity block in
9 which the integrity check can be decrypted only with a non-public
10 key;

11 D. sending the integrity block to intended recipients,
12 wherein the step of selecting the integrity functions includes:

13 i. using information in the data packet as an offset value into a
14 pseudorandom sequence, and

15 ii. using the next n bits of the sequence as the integrity function identifier.

1 46. (Currently Amended): The method of ~~claim 43~~ claim 48 further including in
2 the step of encrypting the integrity checks, performing the encryption in
3 accordance with a secret key that is available to the recipients.

1 47. (Original): The method of claim 46 further including in the step of decrypting
2 the integrity block, decrypting the block in accordance with the secret key.

1 48. (Currently Amended): ~~The method of claim 43~~ A method of authenticating
2 data that is sent in data packets, the method including the steps of:

3 A. selecting one or more integrity functions from a set of integrity
4 functions;

5 B. manipulating selected data bytes from a first data packet in
6 accordance with one or more of the selected integrity functions to
7 produce an integrity check; _____

8 C. so encrypting the integrity check as to produce an integrity block in
9 which the integrity check can be decrypted only with a non-public
10 key;

11 D. sending the integrity block to intended recipients;

12 E. decrypting a received integrity block to reproduce the integrity
13 check;

14 F. selecting one or more integrity check functions from the set of
15 functions;

16 G. using the reproduced integrity check and the selected integrity
17 check functions to determine if the first data packet is authentic;

18 H. manipulating data bytes from additional data packets in accordance
19 with one or more of the selected integrity check functions to
20 produce additional integrity checks;

21 I. encrypting the additional integrity checks into the integrity block;

22 J. decrypting the received integrity block to reproduce the additional
23 integrity checks;
24 K. selecting one or more integrity check functions; and
25 L. using the reproduced additional integrity checks and the selected
26 integrity check functions to determine if respective additional data
27 packets are authentic.

28 wherein the step of manipulating data bytes selects the data
29 bytes at random from the first data packet and selects from the
30 additional data packets data bytes that are offset from the data
31 bytes selected from the first data packet.

1 49. (Currently Amended): ~~The method of claim 43~~ A method of authenticating
2 data that is sent in data packets, the method including the steps of:

3 A. selecting one or more integrity functions from a set of integrity
4 functions;

5 B. manipulating selected data bytes from a first data packet in
6 accordance with one or more of the selected integrity functions to
7 produce an integrity check;

8 C. so encrypting the integrity check as to produce an integrity block in
9 which the integrity check can be decrypted only with a non-public
10 key;

11 D. sending the integrity block to intended recipients;

12 E. decrypting a received integrity block to reproduce the integrity
13 check;

14 F. selecting one or more integrity check functions from the set of
15 functions;

16 G. using the reproduced integrity check and the selected integrity
17 check functions to determine if the first data packet is authentic;

18 H. manipulating data bytes from additional data packets in accordance
19 with one or more of the selected integrity check functions to
20 produce additional integrity checks;

21 I. encrypting the additional integrity checks into the integrity block;
22 J. decrypting the received integrity block to reproduce the additional
23 integrity checks;
24 K. selecting one or more integrity check functions; and
25 L. using the reproduced additional integrity checks and the selected
26 integrity check functions to determine if respective additional data
27 packets are authentic,
28 wherein the step of encrypting the integrity checks further
29 includes encrypting into the integrity block information that identifies
30 the data bytes selected from the data packets.

1 50. (Currently Amended): ~~The method of claim 43~~ A method of authenticating
2 data that is sent in data packets, the method including the steps of:
3 A. selecting one or more integrity functions from a set of integrity
4 functions;
5 B. manipulating selected data bytes from a first data packet in
6 accordance with one or more of the selected integrity functions to
7 produce an integrity check;
8 C. so encrypting the integrity check as to produce an integrity block in
9 which the integrity check can be decrypted only with a non-public
10 key;
11 D. sending the integrity block to intended recipients;
12 E. decrypting a received integrity block to reproduce the integrity
13 check;
14 F. selecting one or more integrity check functions from the set of
15 functions;
16 G. using the reproduced integrity check and the selected integrity
17 check functions to determine if the first data packet is authentic;
18 H. manipulating data bytes from additional data packets in accordance
19 with one or more of the selected integrity check functions to
20 produce additional integrity checks;

21 I. encrypting the additional integrity checks into the integrity block;
22 J. decrypting the received integrity block to reproduce the additional
23 integrity checks;
24 K. selecting one or more integrity check functions; and
25 L. using the reproduced additional integrity checks and the selected
26 integrity check functions to determine if respective additional data
27 packets are authentic,
28 further including in the step of encrypting the integrity
29 checks;
30 the step of encrypting into the integrity block data byte
31 interval and offset values.

1 51. (Currently Amended): The method of ~~claim 43~~ claim 50 wherein the step of
2 manipulating the data bytes to produce the integrity checks further includes the
3 step of including in the integrity checks sequence numbers that correspond to the
4 associated data packets.

1 52. (Currently Amended): ~~The method of claim 43~~ A method of authenticating
2 data that is sent in data packets, the method including the steps of:
3 A. selecting one or more integrity functions from a set of integrity
4 functions;
5 B. manipulating selected data bytes from a first data packet in
6 accordance with one or more of the selected integrity functions to
7 produce an integrity check;
8 C. so encrypting the integrity check as to produce an integrity block in
9 which the integrity check can be decrypted only with a non-public
10 key;
11 D. sending the integrity block to intended recipients;
12 E. decrypting a received integrity block to reproduce the integrity
13 check;

14 F. selecting one or more integrity check functions from the set of
15 functions;
16 G. using the reproduced integrity check and the selected integrity
17 check functions to determine if the first data packet is authentic;
18 H. manipulating data bytes from additional data packets in accordance
19 with one or more of the selected integrity check functions to
20 produce additional integrity checks;
21 I. encrypting the additional integrity checks into the integrity block;
22 J. decrypting the received integrity block to reproduce the additional
23 integrity checks;
24 K. selecting one or more integrity check functions; and
25 L. using the reproduced additional integrity checks and the selected
26 integrity check functions to determine if respective additional data
27 packets are authentic.
28 wherein the step of encrypting the integrity checks includes
29 assembling the integrity checks in an order that differs from the
30 order of the associated data packets.

1 53. (Original): The method of claim 52 wherein the encrypting step further
2 includes the step of encrypting into the integrity block a list of sequence numbers
3 that corresponds to the order of the integrity checks.

1 54. (Currently Amended): The method of ~~claim 43~~ claim 52 further including the
2 step of producing a digital signature for each data packet and including the digital
3 signature in the data packet.

1 55. (Currently Amended): The method of ~~claim 42~~ claim 52 further including the
2 step of producing a digital signature for the integrity block and including the
3 signature in the block.

1 56. (Currently Amended): The method of ~~claim 43~~ claim 52 wherein the step of
2 manipulating the selective data bytes includes concatenating the selected data
3 bytes from a given data packet to produce the associated integrity check.

1 57. (Currently Amended): The method of ~~claim 43~~ claim 52 wherein the step of
2 manipulating the selected data bytes includes encoding the selected bytes from a
3 given data packet to produce the associated integrity check.

1 58. (Currently Amended): The method of ~~claim 42~~ claim 52 further including the
2 step of including in a transmission extraneous packets that are associated with
3 and do not pass one or more of the integrity checks.

1 59. (Currently Amended): The method of ~~claim 42~~ claim 52 wherein the step of
2 encrypting the integrity checks further includes encrypting into the integrity block
3 executable code that performs an integrity check process.

1 60. (Original): The method of claim 59 wherein the encrypting step further
2 includes encrypting into the integrity block a digital signature associated with the
3 code.

Claims 61 and 62 (Canceled)

1 63. (Currently Amended): The authentication system of ~~claim 64~~ claim 68
2 wherein the integrity block processor produces from the integrity block
3 information to select which integrity check functions to use to manipulate the
4 selected data packets.

1 64. (Original): The authentication system of claim 63 wherein the information
2 determines which function or functions to use for each data packet.

65. (Canceled)

1 66. (Currently Amended): The authentication system of ~~claim 64~~ claim 68
2 wherein the integrity block processor uses a shared secret key to decrypt the
3 integrity block.

1 67. (Currently Amended): The authentication system of ~~claim 64~~ claim 68
2 wherein the integrity block processor decrypts the integrity block to provide to the
3 integrity check processor executable code to use to manipulate the selected data
4 bytes.

1 68. (Currently Amended): ~~The authentication system of claim 62~~ A data
2 authentication system comprising:
3 A. an integrity block processor that receives a plurality of data packets
4 and an associated integrity block, the integrity block processor
5 manipulating the integrity block to produce a plurality of integrity checks
6 that correspond to the data packets, and
7 B. an integrity check processor that employs a non-public key to
8 decrypt the integrity block and thereby produce the plurality of integrity
9 checks and that uses the integrity checks, integrity check functions
10 selected from a set of functions and selected data bytes from the data
11 packets to determine if any of the data packets have been altered; and
12 The authentication system of claim 61 wherein the integrity block processor
13 further produces from the integrity block information to determine which
14 data bytes to select from the data packets,
15 wherein the integrity check processor uses information in the
16 integrity checks to determine which data bytes to select from the one or
17 more data packets.

1 69. (Currently Amended): The authentication system of ~~claim 64~~ claim 68
2 wherein the integrity check processor uses a digital signature included in the
3 integrity block to authenticate the integrity block.

1 70. (Currently Amended): The authentication system of ~~claim 64~~ claim 68
2 wherein the integrity check processor uses one or more digital signatures
3 included in the one or more data packets to further authenticate the data packets.

Claims 71-76 (Canceled)

1 77. (Currently Amended): ~~The computer data signal of claim 76~~ A computer
2 data signal embodied in a carrier wave and representing sequences of
3 instructions for authenticating data packets, the instructions comprising
4 instructions for:
5 _____ configuring at least one sending station to produce an encrypted integrity
6 block for a plurality of data packets using one or more integrity check functions
7 selected from a set of integrity check functions, which integrity block is so
8 encrypted as to permit its decryption only with a non-public key; and
9 _____ at the configured sending station selecting one or more data bytes from
10 each data packet and producing an associated integrity check that is used with
11 the integrity checks for the other data packets to produce the encrypted integrity
12 block,
13 wherein the selection of data bytes from a first data packet is
14 random and the data bytes selected from remaining data packets are
15 offset from the data bytes selected from the first data packet.

1 78. (Currently Amended): The computer data signal of ~~claim 76~~ claim 77
2 wherein the integrity block is encrypted in accordance with a shared secret key.

1 79. (Currently Amended): The computer data signal of ~~claim 76~~ claim 77
2 wherein the one or more integrity checks are produced by concatenating
3 selected data bytes from respective data packets.

1 80. (Currently Amended): The computer data signal of ~~claim 76~~ claim 77
2 wherein the one or more integrity checks are produced by encoding selected
3 data bytes from respective data packets.

1 81. (Currently Amended): The data signal of ~~claim 76~~ claim 77 further
2 comprising instructions for;
3 configuring at least one receiving station to decrypt the encrypted integrity
4 block to reproduce the one or more integrity checks; and
5 at the configured receiving station using the one or more integrity checks
6 to authenticate the one or more data packets.

1 82. (Original): The computer data signal of claim 81 wherein the one or more
2 integrity checks are associated with the appropriate one or more data packets
3 prior to authentication.

1 83. (Currently Amended): The computer data signal of ~~claim 76~~ claim 77 further
2 including configuring the sending station to transmit one or more extraneous data
3 packets that are associated with the integrity block but do not pass authentication
4 tests.

84. (Canceled)